Claims

- 1. A transformed microorganism having acquired high-expression ability to produce D-aminoacylase in a zinc ion-containing culture medium, prepared by inserting into a host microorganism with zinc tolerance a D-aminoacylase-producing gene the expression of a gene product of which is enhanced in the presence of zinc ion.
- 2. The transformed microorganism according to claim 1, wherein the D-aminoacylase-producing gene has a nucleotide sequence of SEQ ID NO:1 in the sequence listing or a nucleotide sequence hybridizing to the nucleotide sequence of SEQ ID NO:1 in the sequence of SEQ ID NO:1 in the sequence of SEQ ID NO:1 in the sequence listing under stringent conditions and order added to add order.
- 3. A process for producing D-aminoacylase, stower lising culturing in a culture medium containing zinc ion which a transformed microorganism prepared by inserting into a host microorganism with zinc tolerance a D-aminoacylase-producing containing the expression of the gene product of which is enhanced in the presence of zinc ion, and obtaining D-aminoacylase from the culture.
- 4. The process for producing D-aminoacylase